SAMSUNG

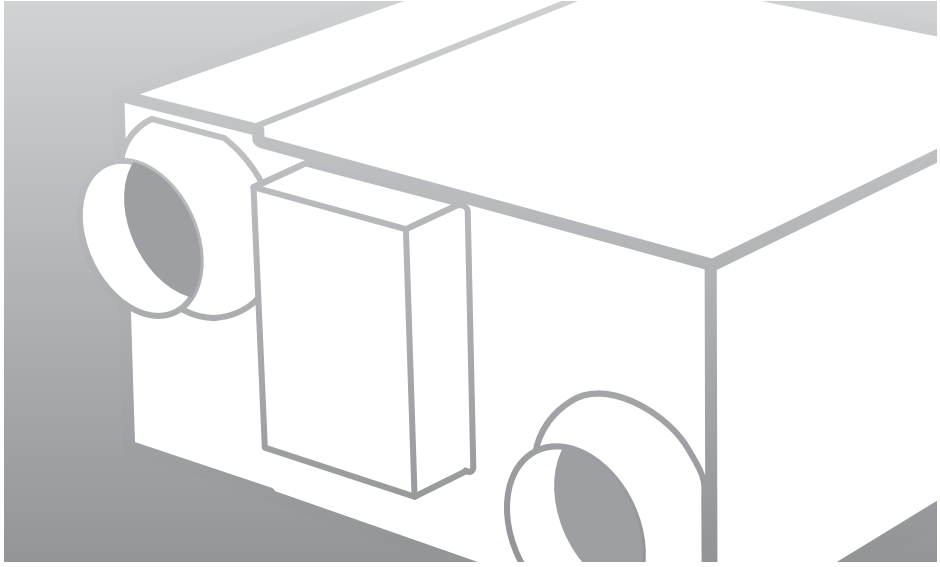
USER'S MANUAL

RHF025EE Series
RHF035EE Series
RHF050EE Series
RHF080EE Series
RHF100EE Series

ENGLISH
ESPAÑOL
FRANÇAIS
ITALIANO
PORTUGUÊS
DEUTSCH

ERV

(Energy Recovery Ventilator)



ⒺⓈⒻⒾⓅⒹ DB98-27511A(1)

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Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household waste at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of waste and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract.
This product should not be mixed with other commercial waste for disposal.

Register your product at www.samsung.com/global/register

Safety Precautions

The following safety precautions are provided to protect the users' safety and prevent property damage. Make sure to read the followings and use the ventilator properly.

◗ *Keep this user's manual together with the installation manual in a handy place so that you can find it whenever you need to see it after reading this manual thoroughly.*

WARNING • This indicates the possibility of serious injury or death.

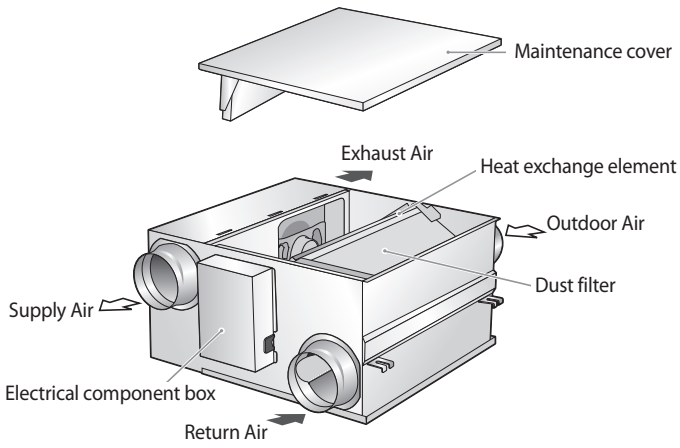
- Install the cables with supplied cables firmly. Fix them securely so that external force is not to exerted to the terminal board. If the connection or fixing is incomplete, heat generation, electric shock or fire may occur.
- Install separate MCCB and ELB when installing the power cable. If you do not install the MCCB and ELB, electric shock or fire may occur.
- Disconnect the circuit breaker when you don't use the product for a long period of time to save energy.
- Do not install the electric wire to get tension to avoid a hazard.
- Do not handle the wired remote control with wet hands. There is a risk of electric shock.
- In case of gas leakage from another burner, open the window and ventilate the room. If not, there may be a risk of explosion or fire.
- Do not insert anything in the air intake or outlet.
- Keep children away from the product.
- Never spill any kind of liquid into the product. If this happen, unplug or turn the main switch of the product off and contact an authorized customer care center.
- Do not let the discharged air go back to the indoor through its air suction hole. It can contaminate indoor air.
- If strange noises, burning smell or smoke come from the product, disconnect the power supply immediately and consult an authorized service personnel.
- Do not use the product as a ventilator for a burner. If you use a burner with gas or gasoline, you need to have separate ventilation system for the combustible apparatus.
- Do not give excessive shock to the product.
- Make sure to use the part provided or specified parts for the installation work. The use of defective parts could cause an injury or leakage of water due to fire, electric shock, the unit falling, etc.
- Do not spray inflammable gas or insecticides on the product. It may cause fire or malfunction.
- Do not let the discharged air from the product go directly to a burner because it may cause imperfect combustion.
- Do not install the product in a place where it is exposed to inflammable gas leakage.
- Contact the customer care center if the product is under water.
- The first installation or reinstallation as well must be carried out by a licensed installer or qualified personnel.
- Use the rated current fuse.
- Please recycle or dispose of the packaging material for this product in an environmentally responsible manner.
- Contact the customer care center or manufacturer if you want to repair the product.
- Do not connect the electric heater to the product.
- The manufacturer declines any liability for damage resulting from modifications or errors in the electrical or hydraulic connections.

CAUTION • This indicates the possibility of serious injury or damage to environments when operated incorrectly.

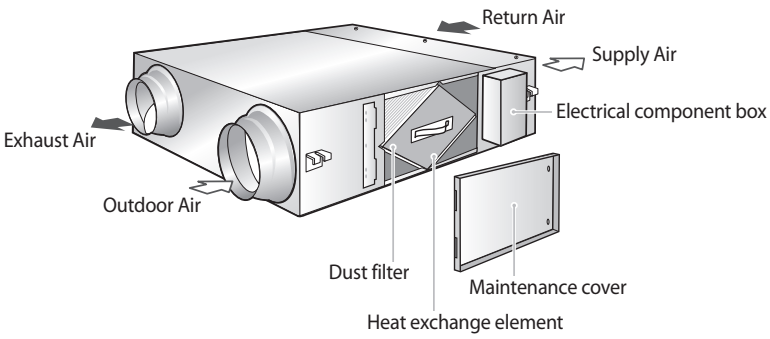
- If the power plug is damaged, replace it by the manufacturer or qualified personnel to avoid the risk.
- Unplug the product before get repaired.
- Do not let the coming air reach to a pet or plant directly for a long period of time.
- Turn off the product and clean after it stops operating.
- Do not use substances such as benzene, thinner or alcohol to clean the surface of the product.
- When you need to dispose of the unit, consult your dealer.
- Be sure that the dust filter is not exposed to direct sunlight.
- Do not attempt to repair, move, modify or reinstall the product on your own. Make sure that these installations are carried out by qualified personnel to avoid electric shock or fire.
- Do not use the product to maintain machine, food, pet, plant or cosmetics. It may cause loss of property.
- Be sure to insert the dust filter and clean the filter at least twice a year. If dust accumulates in the filter, it may decrease the efficiency of the product.
- Put gloves on when you clean the dust filter or heat exchange element. You may get hurt.
- Do not pull the electric wire or touch the power plug with wet hands.
- Do not touch the pipes connected to the product.
- Dispose of the packaging material in accordance with the local requirements.
- The maximum input power and current is measured according to the IEC Standard and the input power and current is measured according to ISO standard.
- Do not clean the product by spraying water directly or with benzene, thinner or alcohol.
- Failure to observe the installation instruction, or use of the unit under conditions other than those indicated in the manual will immediately invalidate the product warranty.
- All of the manufacturing and packaging material used for your new appliance are compatible with the environment and can be recycled.

Name of Each Part

Body ✶✶025✶✶



Body ✶✶035/050/080/100✶✶

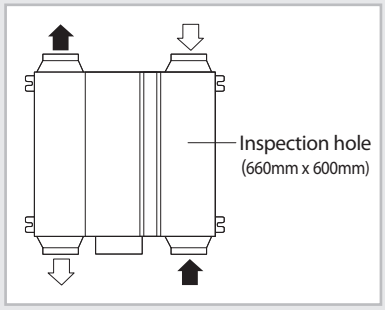


Inspection hole

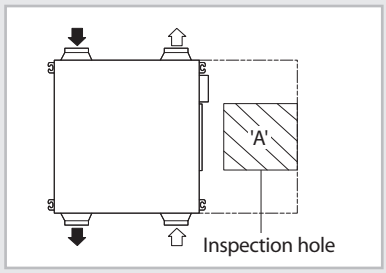
- There is an inspection hole for cleaning and maintaining the dust filter and heat exchange element.
- Lack of installation and maintenance space may cause injury or malfunction.

◗ Inspection hole

✶✶025✶✶



✶✶035/050/080/100✶✶

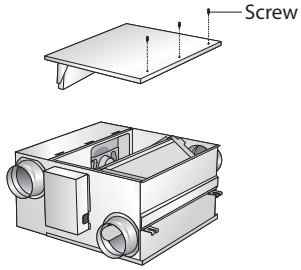


Model	'A' (mm)
✶✶035/050✶✶	450 X 450
✶✶080/100✶✶	550 X 550

Cleaning the Dust Filter

✳✳025✳✳

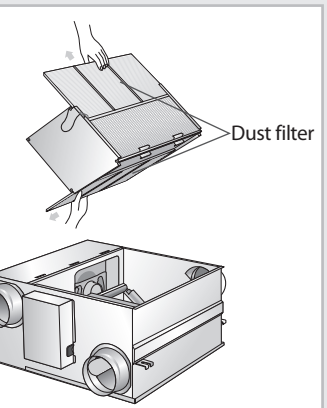
Clean the dust filters at least twice a year. However, the cleaning frequency may vary according to the used period and condition of the ventilator.
Clean the dust filters more frequently in dusty place. Make sure that the power supply is disconnected before cleaning the ventilator.



1 Remove 3 screws on the maintenance cover.

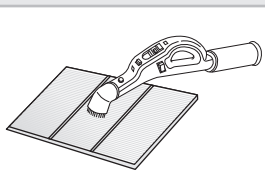
2 Take off the maintenance cover from the ventilator.

3 Detach the dust filters by pulling them forward.
◆ There are totally 2 dust filters on both sides of the heat exchange element.



4 Remove all dust on the dust filters with a vacuum cleaner or a brush.

5 Reassemble the dust filters and the maintenance cover.
◆ Make sure to insert the dust filters correctly. If not, dust may accumulate on the heat exchange element decreasing the efficiency.



➢ ***Change the dust filters in every two years. However, changing frequency may vary according to the used period and condition.***

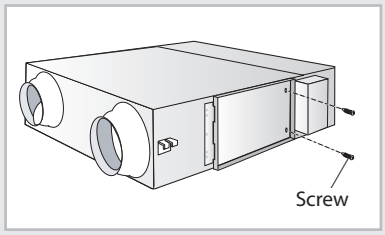
➢ ***If the dust filter is damaged, purchase it individually in a customer care center or an agency that you bought the product.***

➢ ***Make sure to turn off the sub power supply.***

✳✳035/050/080/100✳✳

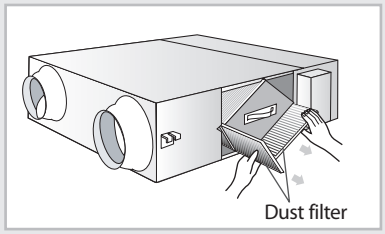
Clean the dust filters at least twice a year. However, the cleaning frequency may vary according to the used period and condition of the ventilator.
Clean the dust filters more frequently in dusty place. Make sure that the power supply is disconnected before cleaning the ventilator.

1 Remove 2 screws on the maintenance cover.

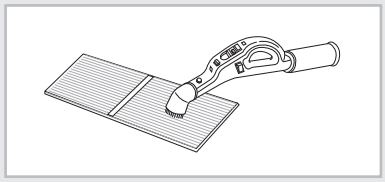


2 Take off the maintenance cover from the ventilator.

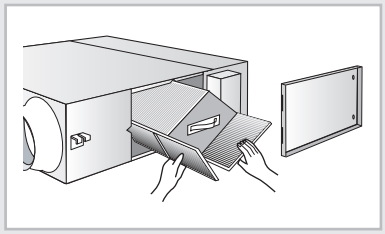
3 Detach the dust filters by pulling them forward.
◆ There are totally 4 dust filters on both sides of the heat exchange element.



4 Remove all dust on the dust filters with a vacuum cleaner or a brush.



5 Reassemble the dust filters and maintenance cover.
◆ Make sure to insert the dust filters correctly. If not, dust may accumulate on the heat exchange element decreasing the efficiency.



➢ ***Change the dust filters in every two years. However, changing frequency may vary according to the used period and condition.***

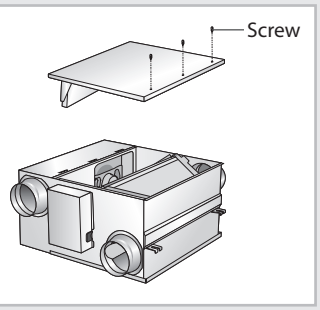
➢ ***If the dust filter is damaged, purchase it individually in a customer care center or an agency that you bought the product.***

➢ ***Make sure to turn off the sub power supply.***

Cleaning the Heat Exchange Element

✳✳025✳✳

Clean the heat exchange element at least twice a year. However, the cleaning frequency may vary according to the used period and condition of the ventilator. Clean the heat exchange element more frequently in dusty place. Make sure that the power supply is disconnected before cleaning the ventilator.

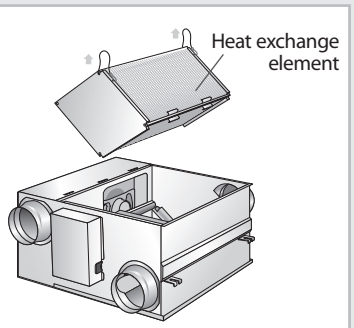


1 Remove 3 screws on the maintenance cover.

2 Take off the maintenance cover from the ventilator.

3 Detach the heat exchange element by pulling it upward.

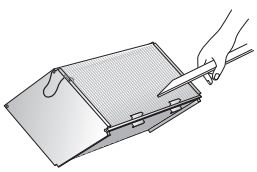
◆ The heat exchange element is heavy. Take care not to drop it.



4 Remove all dust and particles on the heat exchange element with a nozzle of a vacuum cleaner.

◆ Take care not to attach the nozzle too close.
It may damage the heat exchange element.

5 Reassemble the heat exchange element and the maintenance cover.



➢ ***If the heat exchange element is damaged, purchase it individually in a customer care center or an agency that you bought the product.***

➢ ***Make sure to turn off the sub power supply.***

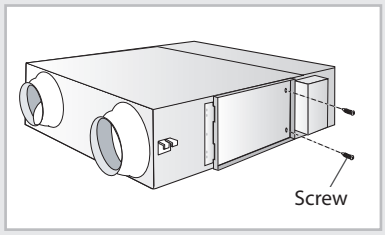
CAUTION

Do not wash the heat exchange element. It may decrease its efficiency.

✳✳035/050/080/100✳✳

Clean the heat exchange element at least twice a year. However, the cleaning frequency may vary according to the used period and condition of the ventilator. Clean the heat exchange element more frequently in dusty place. Make sure that the power supply is disconnected before cleaning the ventilator.

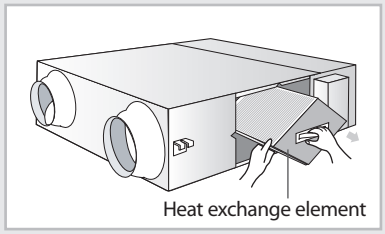
1 Remove 2 screws on the maintenance cover.



2 Take off the maintenance cover from the ventilator.

3 Detach the 2 heat exchange elements in order.

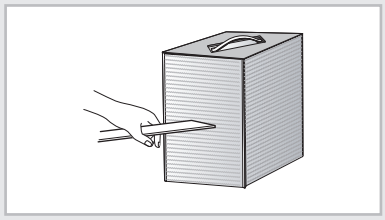
- ◆ The heat exchange element is heavy. Take care not to drop it.
- ◆ There are 2 heat exchange elements in the ventilator. Make sure clean them at once.



4 Remove all dust and particles on the heat exchange elements with a nozzle of a vacuum cleaner.

- ◆ Take care not to attach the nozzle too close. It may damage the heat exchange element.

5 Reassemble the heat exchange elements and maintenance cover.

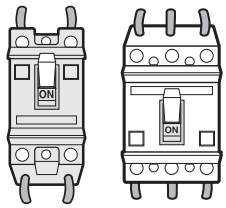


➢ ***If the heat exchange element is damaged, purchase it individually in a customer care center or an agency that you bought the product.***

➢ ***Make sure to turn off the sub power supply.***

CAUTION

Do not wash the heat exchange element. It may decrease its efficiency.



Checking Up the Sub Power Supply

The sub power supply is a device to prevent electric leakage due to the over current. Install the sub power supply separately near the ventilator and turn it off when you clean the ventilator or you do not use the ventilator for a long period of time.

◆ Turn on the sub power supply which is installed separately.

- The sub power supply is not supplied with the ventilator. Purchase the sub power supply individually.

➢ ***If the circuit breaker (MCCB, ELB) is installed, the sub power supply does not need to be installed mandatorily.***

Recommended Operation Condition

◆ Install and operate the ventilator in between -15°C and 40°C. If the ventilator is operated under the condition other than are indicated, it may not operate due to the protective device in the ventilator. Especially, if outside temperature is under -15°C, the ventilator does not operate at all.

◆ Do not operate the ventilator when typhoon comes. Water may get in the room through the ventilator due to the rain and heavy winds.

Troubleshooting

Problem	Explanation/Solution
The ventilator does not operate	◆ Check a power failure. ◆ Check the sub power supply is on.
The air does not come out from the air outlet	◆ Check whether dust filter or heat exchange element is blocked by dust. In case of dust accumulation, it may decrease the efficiency of the ventilator. Clean the dust filter and the heat exchange element frequently. ◆ Check whether the air intake or outlet is blocked by dust. Remove all dust in the air intake.
Water drops from the air intake	◆ Check whether the ventilator is operated in By-Pass mode during heating. When heating, make sure to operate the ventilator in Heat-EX mode.

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ELECTRONICS

Contact SAMSUNG WORLD WIDE

If you have any comments or questions regarding a Samsung product, contact the SAMSUNG customer care center.

Country	Customer Care Center ☎	Web Site
BELGIUM	02 201 2418	www.samsung.com/be
CZECH REPUBLIC	844 000 844 Distributor pro Českou republiku: Samsung Zrt., česka organizační složka Vyskočilova 4, 14000 Praha 4	www.samsung.com/cz
DENMARK	70 70 19 70	www.samsung.com/dk
FINLAND	030-6227 515	www.samsung.com/fi
FRANCE	3260 SAMSUNG or 08 25 08 65 65 (€0,15/min)	www.samsung.com/fr
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